CCS Technical Documentation
NPD-1 Series Transceivers

Service Tools

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Contents

Page No

Service Tools..... 5
3585, 3570 5
Flashing and Testing Setups 10
POS Flash Setup 1 10
Flashing, testing, and tuning with covers on (Setups 2a, 2b, 2c, 2d) 11
Service Setup 2a 12
Service Setup 2b 13
Service Setup 2c 14
Service Setup 2d 15

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Service Tools

3585, 3570

Photo	Code	Service Tool	Code	Description Info
	JBV-1	Docking Station	0770298	The Docking Station and the Docking Station Adapter are needed for Mbus, Fbus, RF, and audio connections. This setup allows connection between flash prommers. When the audio box is connected, it has to be connected to the phone's audio connector. The Docking Station can be powered by FPS-8 or external power supply.
	MJF-19	Docking Station Adapter	0770359	
	FLA-33	Flash Adapter	0770358	The flash adapter allows FBUS/MBUS connections for flashing.
	DKU-5F	Flash Cable	0730281	The flash adapter allows FBUS connections over USB pop port when using Spirent UPST for flashing. *Note: The cable cannot be used as a straight-through USB connection cable.*

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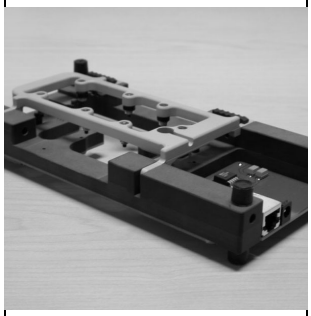
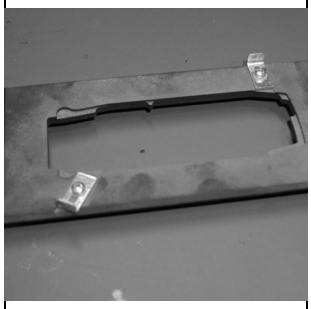
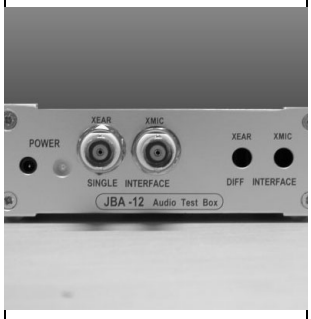
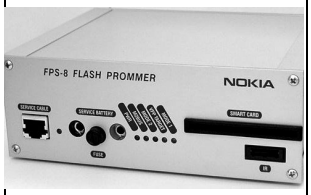
Photo	Code	Service Tool	Code	Description Info
	MJS-57	Module Jig	0770356	This jig allows phone PWB level service and troubleshooting for authorized service centers.
	MJS-58	Solder Jig	0770357	The soldering jig is designed to hold the PWB during repair at the component level.
	JBA-12	Audio Box	0770536	The JBA-12 is required for audio testing at authorized service centers.
	FPS-8	Flash Prommer	0080321	The Flash Prommer FPS-8 is used for heavy flash.
	ADS-8	Audio Cable	0730268	The Audio Cable connects to the Audio Box JBA-12.

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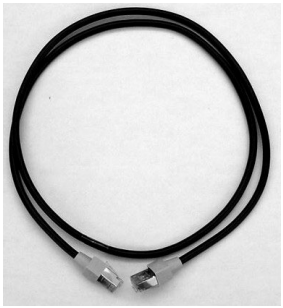
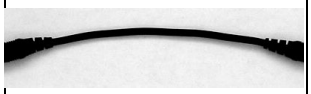
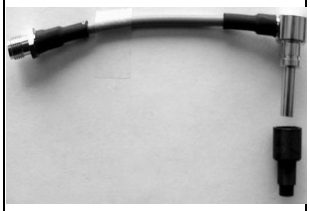
Photo	Code	Service Tool	Code	Description Info
	XCS-4	Mbus/Fbus Cable	0730178	The XCS-4 Service Cable is a modular cable for flashing DCT4 products.
	SCB-3	DC Cable	0730114	The DC Cable SCB-3 is used to connect the docking station to the charger connection (Vin) of the phone to conduct the charger calibration service procedure.
	PCS-1	Power Cable	0730012	The Power Cable PCS-1 is used to connect the service tools (JBV-1, MJS-57) to an external power supply.
	XRF-1	RF Cable	0730085	RF Cable XRF-1 is used to connect the service tools to RF measuring equipment.
	XRS-11 SA-7	RF Cable RF support	0730265 0770562	The RF Cable is used for connection to the RF output of the PWB. The XRS-11 Cable should be used together with the SA-7 to ensure a good connection.

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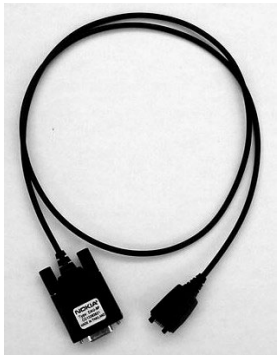
Photo	Code	Service Tool	Code	Description Info
	XRS-4	RF Cable	0730221	The RF Cable is used for connection to the RF output on the PWB.
	FLS-4S	POS Flash Adapter	0080543	The Point of Sale (POS) flash is a low-cost software upgrade tool. This requires the XCS-1 cable and ACP-8U for operation.
	DAU-9T	FBUS Cable	0730267	The FBUS cable DAU-9T provides a connection from the serial port of the computer to the system connector of the phone.
	AXP-8	Printer Cable	073F000	The Parallel Printer Cable connects the parallel connector of the PC and the parallel input of the FPS-8.

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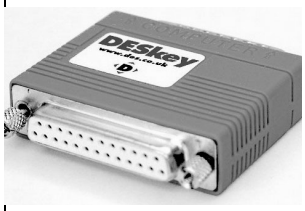
Photo	Code	Service Tool	Code	Description Info
	PKD-1	SW Security Device	0750018	SW security device PKD-1 is hardware device that, when connected to the parallel (LPT) port of the PC, enables the use of the service software. Without the dongle present, it is not possible to use the service software. Printers or other peripheral devices can be connected to the PC through the dongle, if needed. *Caution: Make sure that you have switched off the PC and the printer before making connections!* *Caution: Do not connect the PKD-1 to the serial port. You may damage your PKD-1!*

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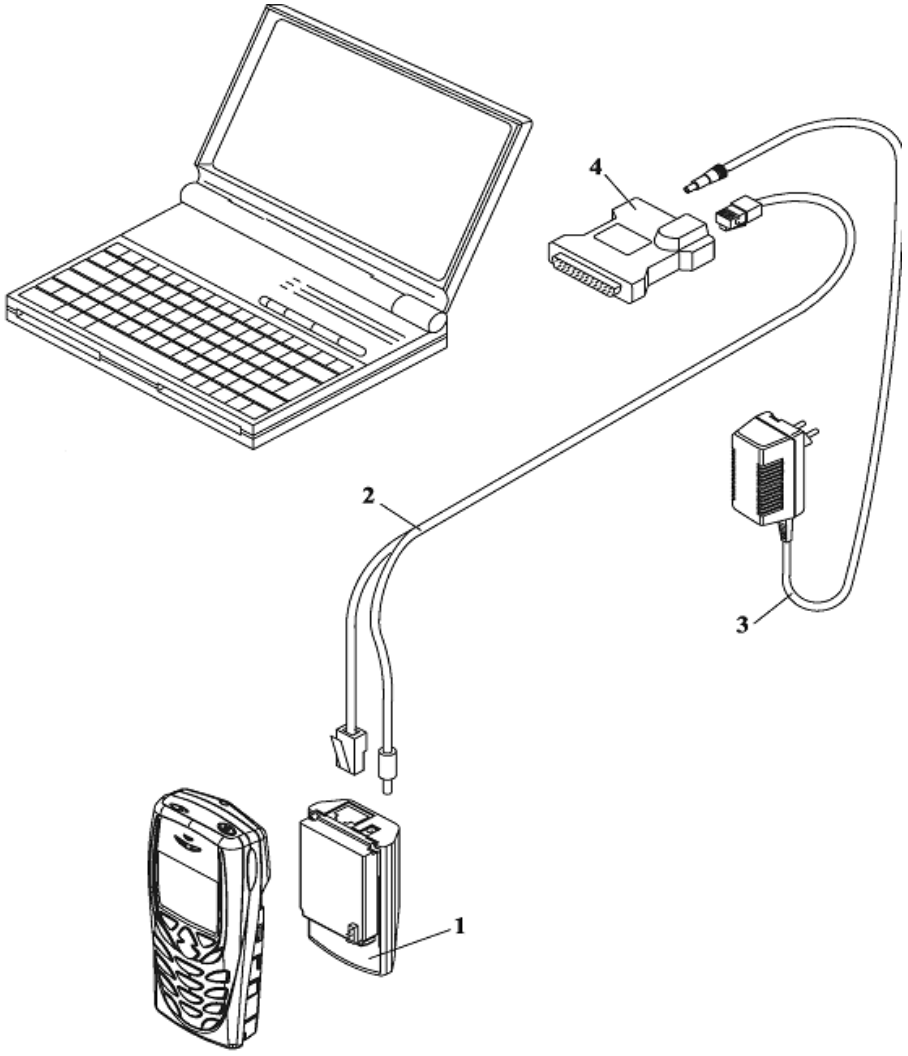
Flashing and Testing Setups

POS Flash Setup 1

Figure 1: View of POS flash



Item	Name	Type	Code
1	POS Flash loading adapter	FLA-33	0770358
2	Service cable	DKU-5F	0730281
3	AC charger	ACP-8F	0680032
4	POS flash dongle	FLS-4S	0080543
	Software		

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Flashing, testing, and tuning with covers on (Setups 2a, 2b, 2c, 2d)

Tightened performance specifications require more precise equipment and methods for testing and alignment. Manual tuning can't provide accurate results for NPD-1 products, which means that this task has to be automated.

These setups are intended to be used with either Phoenix or Darium SW. With the Phoenix SW, it is possible to do manual testing and automated tuning. With Darium, it is possible to do automated testing and tuning.

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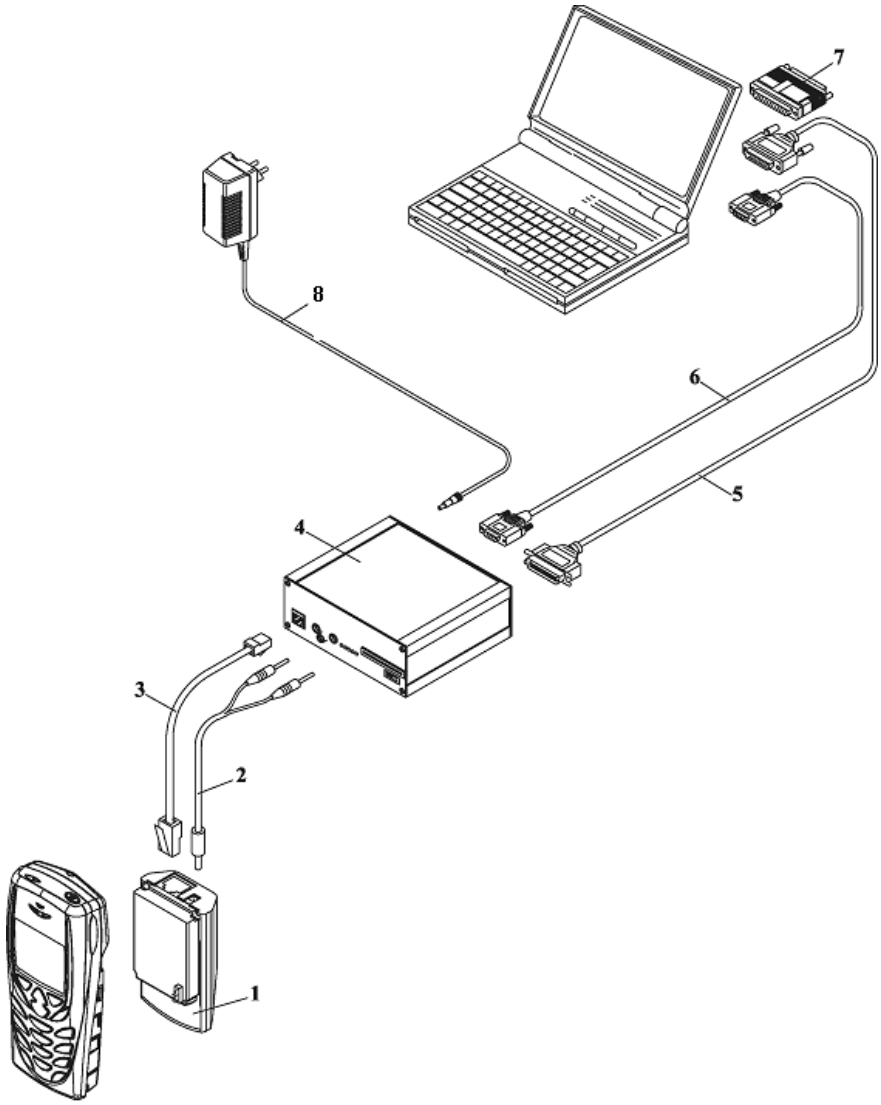
Service Setup 2a



Item	Name	Type	Code
1	POS flash loading adapter	FLA-33	0770358
2	Power cable (included in FLA-14 sales pack)	FLC-2	0730185
3	Modular cable	XCS-4	0730178
4	Flash prommer box	FPS-8	0080321
5	Printer cable (included in FPS-8 sales pack)		0730029
6	D9-D9 cable (included in FPS-8 sales pack)		0730090
7	Software protection key	PKD-1	0750018
8	AC charger	ACP-8F	0680032

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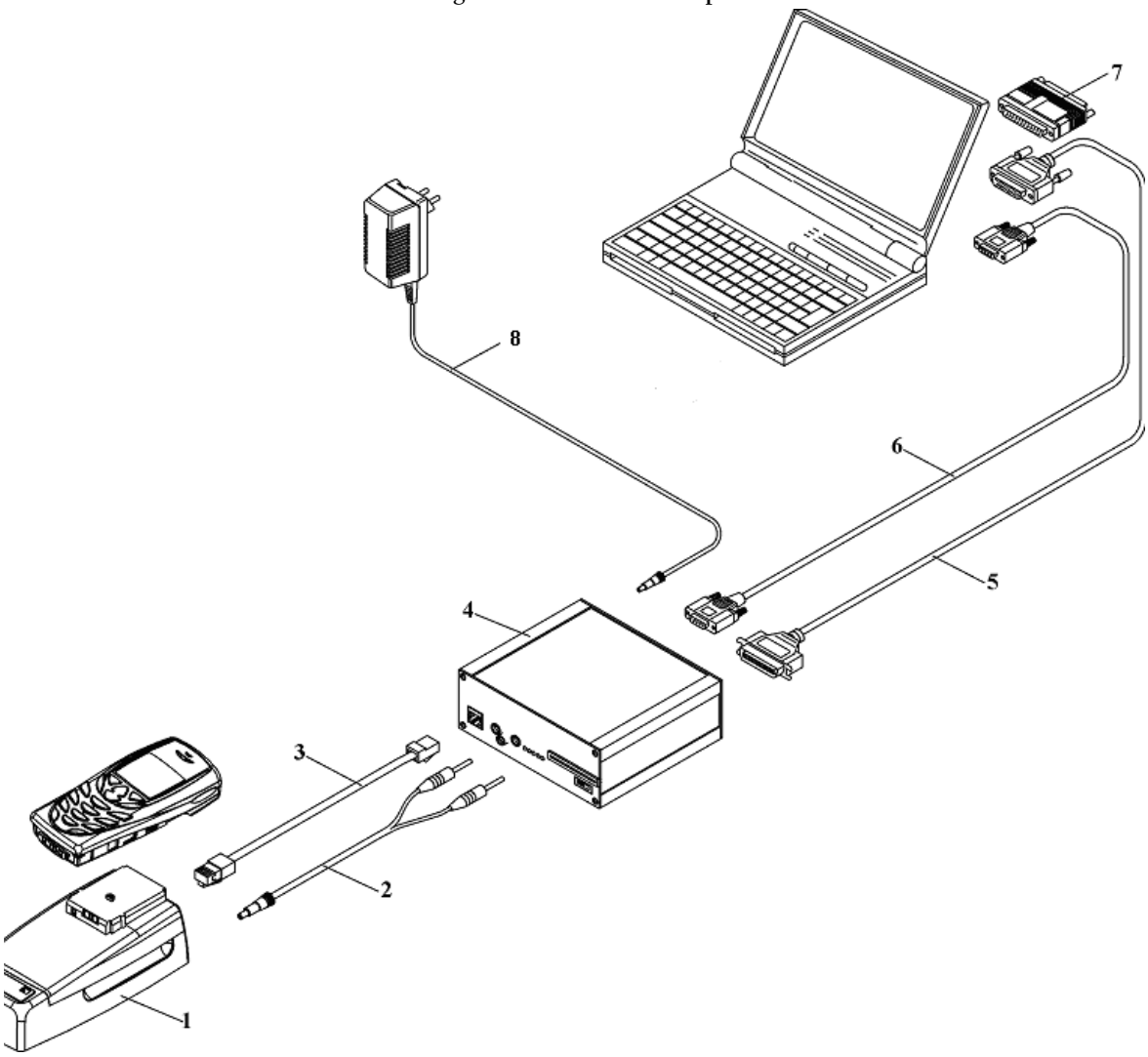
Service Setup 2b

Figure 2: Service tool setup 2b



Item	Name	Type	Code
1	Docking station Docking station adapter	JBV-1 MJF-19	0770298 0770359
2	DC power cable	PCS-1	0730012
3	Modular cable	XCS-4	0730178
4	Flash prommer box	FPS-8	0080321
5	Printer cable (included in FPS-8 sales pack)		0730029
6	D9-D9 cable (included in FPS-8 sales pack)		0730090
7	Software protection key	PKD-1	0750018
8	AC charger	ACP-8F	0680032

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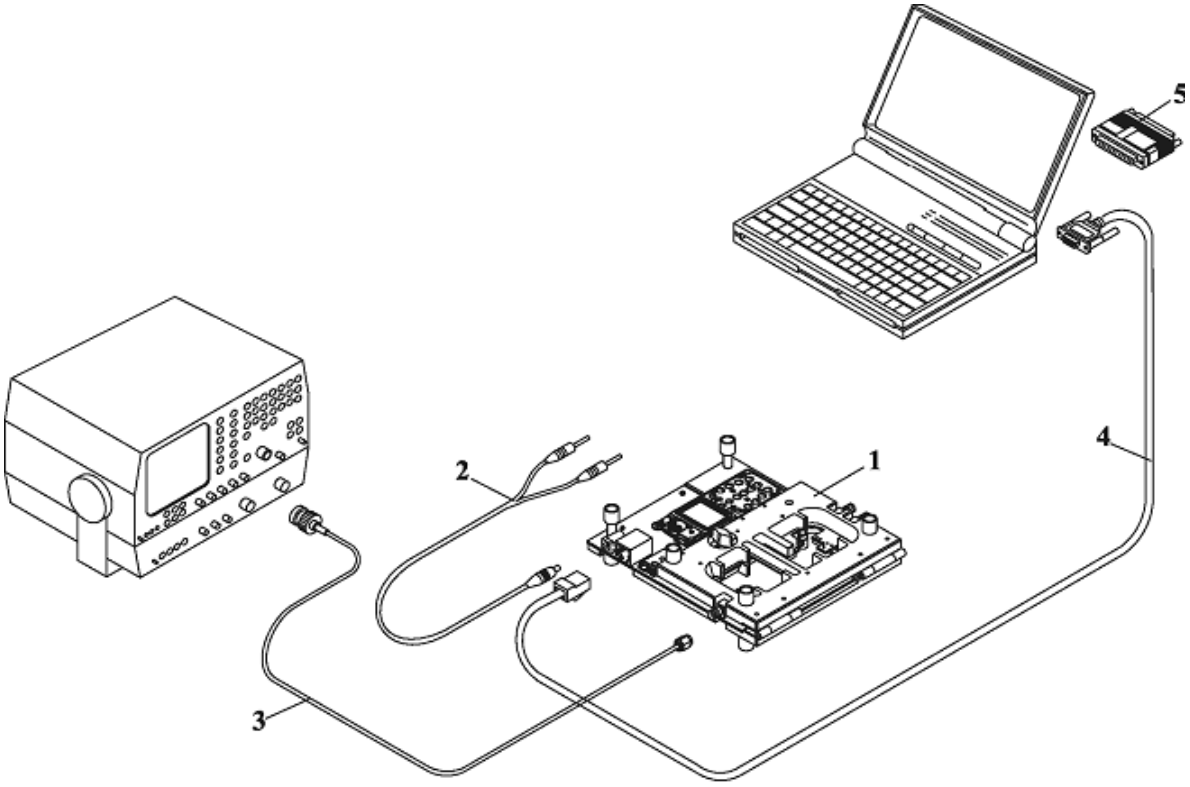
Service Setup 2c

Figure 3: Service tool setup 2c



Item	Name	Type	Code
1	Module jig	MJS-57	0770356
2	DC power cable	PCS-1	0730012
3	RF antenna cable	XRF-1	0730085
4	Service MBUS cable	DAU-9S	0730108
5	Software protection key	PKD-1	0750018

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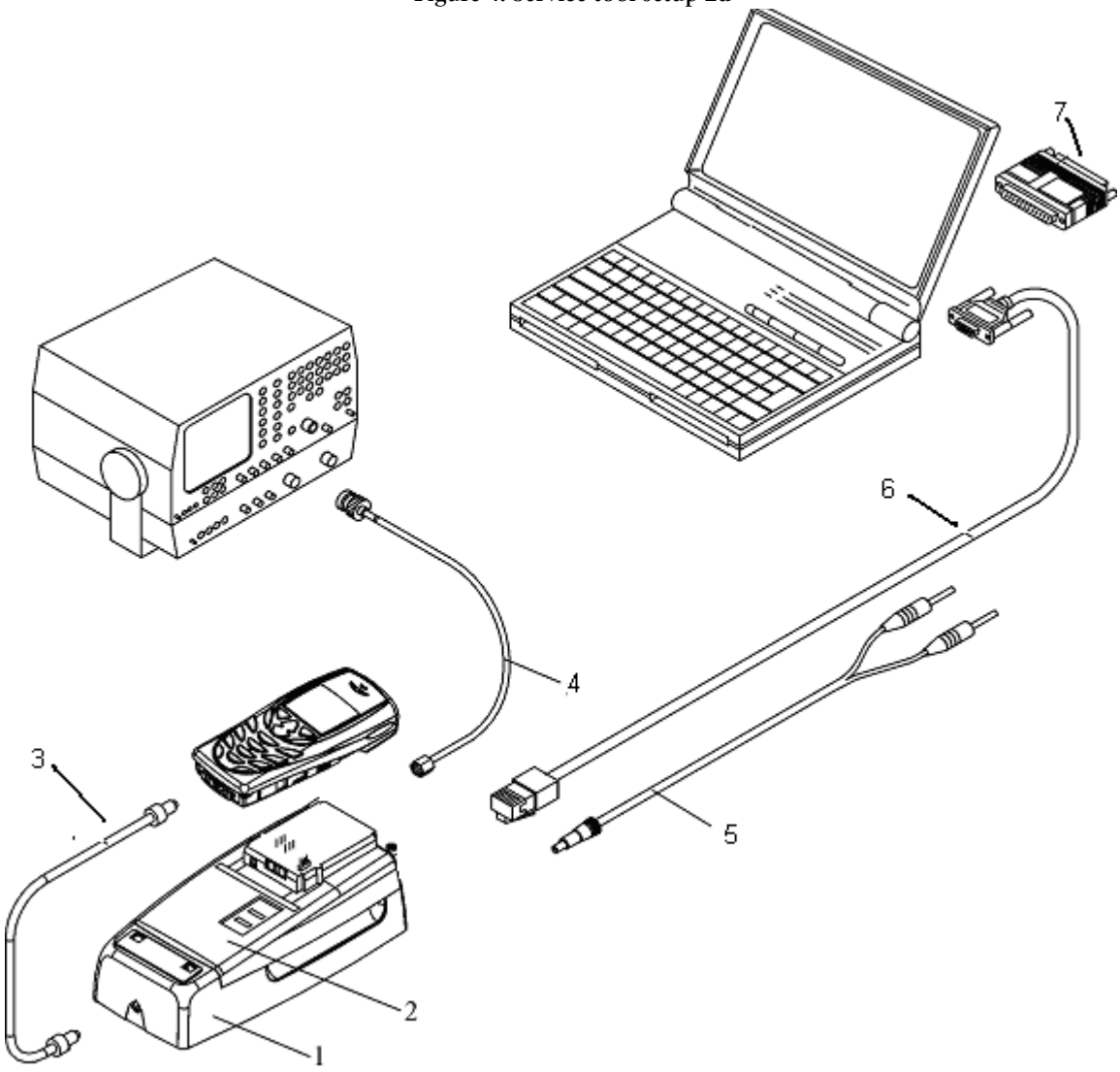
Service Setup 2d

Figure 4: Service tool setup 2d



Item	Name	Type	Code
1	Docking station	JBV-1	0770298
2	Docking station adapter	MJF-19	0770359
3	DC-DC cable	SCB-3	0730114
4	RF antenna cable	XRF-1	0730085
5	DC power cable	PCS-1	0730012
6	Service MBUS cable	DAU-9S	0730108
7	Software protection key	PKD-1	0750018

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